

Abstracts

A New 3-Way Power Divider with Various Output Power Ratios

J.-S. Lim and S.-Y. Eom. "A New 3-Way Power Divider with Various Output Power Ratios." 1996 MTT-S International Microwave Symposium Digest 96.2 (1996 Vol. II [MWSYM]): 785-788.

A new type of 3-way power divider which has various output power ratios is presented. This power divider without any internal resistors has a completely planar structure and can be easily realized using microstrip substrates. This divider has extremely excellent matching at each port and isolation. The 3-way divider which has been fabricated as an example shows 1:1:1, 4:1:1, 3:2:1 output power ratios. This divider also shows it can be used as a 2-way divider with 1:2, 1:1 ratios. All measured results are in good agreement with the predicted performances, and this structure is well extended to N-way power divider.

 [Return to main document.](#)